

a moving means for cyclically moving at least one of said first lens and said second lens constituting part of said optical pickup in the direction of the optical axis thereof; and

a control means for performing, upon focusing operation, the positional adjustment of said first lens and said second lens after start-up of focus control, on the basis of an envelope component of reproducing signals detected by said optical pickups from said recording medium at one or more points of the cyclic movement of said at least one of said first lens and said second lens by said moving means.

6. (Amended) An optical information recording/reproducing apparatus according to claim 1, wherein the envelope component is a signal component of the reproducing signals detected by the optical pickup passed through a low band filter.

7. (Amended) An optical information recording/reproducing apparatus according to claim 1, wherein the envelope component is a signal component of the reproducing signals detected by the optical pickup passed through a high band filter.

15. (Amended) An optical information recording/reproducing apparatus including an optical pickup for making a light beam emitted from a light source incident on a recording medium via a primary lens disposed in the vicinity of said recording medium and at least a secondary lens so as to record or reproduce optical information on or from said recording medium, said apparatus comprising:

a first drive means for driving said primary lens in the direction of the optical axis thereof, and a second drive means for driving said secondary lens in the direction of the optical axis thereof;

a moving means for cyclically moving at least one of said primary lens and said secondary lens constituting part of said optical pickup in the direction of the optical axis thereof; and

a control means for performing, upon focusing operation, the positional adjustment of said primary lens and said secondary lens after start-up of focus control, on the basis of an envelope component of reproducing signals detected by said optical pickup from said recording medium at one or more points of the cyclic movement of said at least one of said primary lens and said secondary lens by said moving means.

16. (Amended) An optical information recording/reproducing apparatus according to claim 15, wherein a cycle of the cyclic movement of said at least one of said primary lens and said secondary lens by said moving means is synchronized with an appearance cycle of discrete pit signal portions formed on said recording medium.

20. (Amended) An optical information recording/reproducing apparatus according to claim 15, wherein the envelope component is a signal component of the reproducing signals detected by the optical pickup passed through a low band filter.

21. (Amended) An optical information recording/reproducing apparatus according to claim 15, wherein the envelope component is a signal component of the reproducing signals detected by the optical pickup passed through a high band filter.

22. (Amended) An optical information recording/reproducing method which is carried out by using an optical pickup for making a light beam emitted from a light source incident on a recording medium via a two-group objective lens so as to record or reproduce optical information on or from said recording medium, said two-group objective lens including a first lens disposed in the vicinity of said recording medium and a second lens disposed at a position facing to said recording medium with said first lens put therebetween, said method comprising the steps of:

cyclically moving at least one of said first lens and said second lens constituting part of said optical pickup in the direction of the optical axis thereof; and